

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/002546

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 B01J 23/00**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 B01J, B82B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975,  
Korean Utility models and applications for Utility models since 1975,  
Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
eKIPASS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2003061827 A2 (3M INNOVATIVE PROPERTIES COMPANY) 31 JULY 2003 See the whole document	1-12
A	KR 2003-0008842 A (RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY) 29 JANUARY 2003 See the whole document	1-12
A	EP 1300364 A2 (CANON KABUSHIKI KAISHA) 09 APRIL 2003 See the whole document	1-12
A	JP 11-139815 A (CANON INC) 25 MAY 1999 See the whole document	1-3

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

17 JANUARY 2005 (17.01.2005)

Date of mailing of the international search report

**18 JANUARY 2005 (18.01.2005)**

Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/002546

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2003061827 A2	31.07.2003.	US 200310493 AA EP 1450948 A2	05.06.2003. 01.09.2004.
KR 2003-0008842 A	29.01.2003.	None	
EP 1300364 A2	09.04.2003.	JP 15221217 A	05.08.2003.
JP 11-139815 A	25.05.1999.	None	